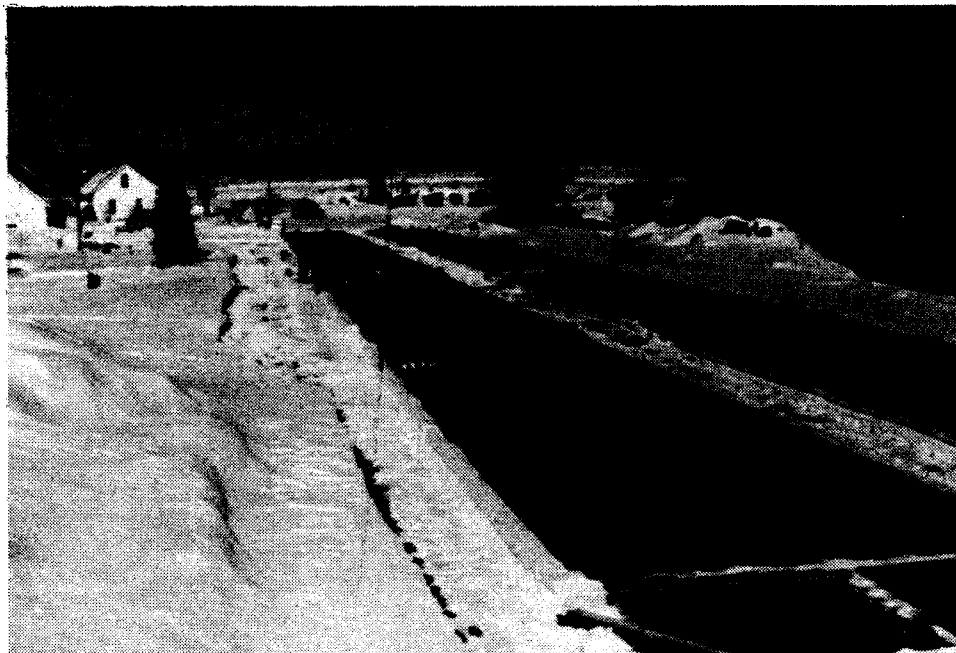




ASHTON HATCHERY ANNUAL REPORT

October 1, 1985 to September 30, 1986



by

Roland Warren
Fish Hatchery Superintendent II

October 1987

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ABSTRACT

During the 1985-86 fish year, Ashton Hatchery received 2,776,929 eyed eggs. Rainbow trout, Kamloops rainbow trout, brown trout, brook trout, cutthroat trout, golden trout, and grayling were the species hatched.

A total of 46,407 lb of fish were produced at the Ashton Hatchery, and this amounted to 2,295,942 fish. Some 3,000 lb numbering 121,500 were Temiscamie strain brook trout that were stocked into Henrys Lake.

Fish feed cost was \$11,064.02, and the hatchery fed 55,955 lb of feed resulting in a conversion rate of 1.292 lb of feed for each pound of fish reared. Cost of feed/lb of fish was 0.238 cents.

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INTRODUCTION

The state fish hatchery at Ashton is located in northern Fremont County 3 miles southwest of the town of Ashton. The hatchery is situated at 5,725 ft above sea level. The water source is from Black Springs, which originates above the hatchery. This spring is part of Black Spring Creek that eventually flows into the Henrys Fork of the Snake River. The spring has a flow of 5 to 6 cfs. The temperature is a constant 50°F.

The hatchery-rearing facilities include a two million egg incubation room supported by two fish-rearing areas. These include 600 ft³ of inside vats and 25,000 ft³ of outside raceway system.

OBJECTIVES

To rear and distribute the following fishes in 15 rivers and streams, and 12 lakes and reservoirs of five eastern Idaho counties that lie within Region 6: (1) 50,000 rainbow trout catchables, (2) 200,000 rainbow trout fingerlings, (3) 350,000 Kamloops rainbow trout fingerlings, (4) 400,000 brown trout fingerlings, (5) 100,000 brook trout fingerlings, (6) 1,000,000 cutthroat trout fry, (7) 15,000 golden trout fry, and (8) 15,000 grayling fry.

FISH PRODUCTION

The following seven species of fish were reared at Ashton Hatchery this year: rainbow trout, Kamloops rainbow trout, brown trout, brook trout, cutthroat trout, golden trout, and grayling.

Eyed eggs received were 341,550 rainbow trout, 375,936 Kamloops rainbow trout, 497,232 brown trout, 149,952 brook trout, 1,312,141 cutthroat trout, 20,118 golden trout, and 80,000 grayling (Table 1).

Table 1. Eyed eggs.

Species	Number	Origin	Strain
Rainbow trout	234,240	Erwin NFH	Wytheville
Rainbow trout	107,310	Ennis NFH	Arlee (RA)
Kamloops rainbow trout	375,936	Skane	
Brown trout	497,232	Ply Rock	
Brook trout	149,952	Brandon	Temiscamie
Cutthroat trout	1,312,14	Henrys Lake	Henrys Lake
Golden trout	20,118	Wyoming State	
Grayling trout	<u>80,000</u>	Wyoming State	
Total	2,776,929		

Fish received during the year were 45,295 rainbow trout catchables. We received 15,120 from Grace Hatchery, and 30,175 from American Falls Hatchery. From the eyed eggs received, the following fishes were either cultured to be planted, or transferred to another facility: (1) 296,426 rainbow trout, (2) 294,375 Kamloops rainbow trout, (3) 471,300 brown trout, (4) 121,500 brook trout, (5) 1,087,466 cutthroat trout, (6) 12,000 golden trout, and (7) 12,875 grayling. The total production for Ashton Hatchery was 2,295,942 fish and 46,001 lb.

Table 2. Fish transfers.

To Ashton	Species	Number	Pounds
American Falls	R4	30,175	9,875
Grace	R4	15,120	3,600
From Ashton	Species	Number	Pounds
Clark Fork	BN	361,000	1,850.00
Clark Fork	GN	1,225	0.25
McCall	GR	11,000	2.30
Mullan	GN	3,150	0.70

FISH RELEASES

Fish planted from the Ashton Hatchery this year are as follows:

Table 3. Fish planted from October 1, 1985 to September 30, 1986.

Species	Numbers	Pounds
Rainbow trout	296,426	31,927
Kamloops rainbow trout	294,375	7,075
Brown trout	110,300	1,430
Brook trout	121,500	2,025
Cutthroat trout	1,087,466	1,688
Golden trout	1,875	2
Total	11,911,942	44,147

FISH FEED UTILIZED

Table 4. Feed consumed at Ashton Hatchery from October 1, 1985 to September 30, 1986.

Type	Pound	Cost
Dry	54,755	\$8,522.82
Semi-moist	5,200	\$2,541.20
Total	59,955	\$11,064.02

With 59,955 lb of fish feed fed to 46,407 lb of fish, the yearly conversion is 1.292. The total food cost was \$11,864.02. This calculates to 0.238 cents/lb of fish produced.

FISH HEALTH

There were no known disease outbreaks at Ashton Hatchery in the 1985-86 year. All fish on hand in November were checked by the Central Disease Laboratory and found to be disease-free at that time.

HATCHERY IMPROVEMENTS

Maintenance and repairs to the facility this year included: installation of irrigation valves, painting fish screens, painting hatchery signs, and spraying of noxious weeds. Repairs to Residence No. 2 included new interior paint, caulking roof joints, installing a new screen door, and replacing faulty chimney pipe. Residence No. 1 had new brick work done on the fireplace to correct a potential fire hazard.

MISCELLANEOUS ACTIVITIES

Fin clipping of rainbow, brook, and cutthroat trout was done at the hatchery in conjunction with other biological studies.

Hatchery personnel assisted in salvaging 24,000 fish from Henrys Lake outlet, and planted these in various waters. We assisted gillnetting for grayling on Horseshoe Lake. We also worked on the angler survey on Free Fishing Day and assisted where needed.

ACKNOWLEDGMENTS

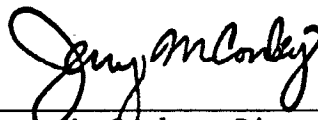
Hatchery staffing during the year included: Roland Warren, Fish Hatchery Superintendent II; Bill Carter, Fish Hatchery Superintendent I; Mel Sadecki, Fish Hatchery Superintendent I; Greer Curry, Bio-Aide; and Shane Hatch, SYEP.

Submitted by:

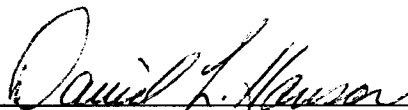
Roland Warren
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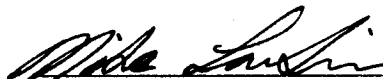
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